AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1.   (CURRENTLY AMENDED)   A content management system for use in <u>a dynamic newsroom environment for preparing a</u> news media <u>product</u>~~production~~, comprising:

data storing means, data retrieving means and data processing means,

a database system adapted to store publishing content objects (PCOs)<u>, -wherein the PCOs have associated PCO</u>~~and~~ metadata <u>and may include PCO content data, wherein the PCO content data, if present, is configured to be media neutral</u>~~, the metadata being associated with PCOs in the content management system,~~

a number of workstations.~~;~~ <u>and</u>

~~wherein~~   <u>a plurality of workstations configured for performing at least one function selected from the group consisting of inputting PCO content data, modifying PCO content data, inputting PCO metadata and modifying PCO metadata;</u>

<u>wherein</u> ~~the PCOs are arranged to be media neutral so as to enable re-use of the PCOs in publications of multiple media, and that~~

the content management system enables ~~further facilitates~~ planning an expected ~~and coordinating of~~ usage of a ~~PCOs~~ PCO ~~in one~~ by defining and maintaining a relation between each PCO and at least one news media product,~~or more publications~~ _____ and further wherein

the content management system enables ~~planning and~~ coordinating the relation in response to modification of PCO content data or modification of the PCO metadata to adapt the news media product to reflect changes in the PCOs~~of usage of PCOs in one or more publications is achieved by maintaining relations between anticipated news stories and said publications~~.

2.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the ~~PCOs~~ PCO content data is ~~are~~ arranged to be media neutral by comprising content elements divided by their function.

3   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the ~~PCOs~~ PCO content data is ~~are~~ arranged to be media neutral by storing or managing them using an XML based structure.

4.   (CANCELED)

5.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein ~~the~~ planning the expected ~~and coordinating of~~ usage of a ~~PCOPCOs~~ comprises tentative or dynamic planning and coordinating of usage of the PCOs and/or fixed planning and coordinating of usage of the PCOs.

6.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the planning and coordinating of usage of PCOs comprises approximate and/or specific placement of PCOs, said placement referring to physical or visual location of PCOs in one or more ~~publications being~~ planned news media products.

7.   (PREVIOUSLY PRESENTED)   A content management system according to claim 1, wherein the planning and coordinating of usage of PCOs comprises planning and coordinating of PCOs that are only planned for creation or still under creation or already existing PCOs.

8.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the PCO content data comprises ~~s comprise~~ content of types used in news media selected from the group consisting of: daily or weekly newspapers, magazines, TV and radio stations, Internet sites and other electronic news media.

9.   (PREVIOUSLY PRESENTED)   A content management system according to claim 1, wherein the planning and coordinating of usage of PCOs is performed by associating PCOs and information relating to PCOs with one or more layout budgets or lists, each layout budget or list having at least one publication associated with it, and each layout budget or list representing the planned content of the associated publication(s) or a part or section thereof.

10.   (ORIGINAL)   A content management system according to claim 1, wherein layout budgets or lists have at least one publication date and/or time associated with them, the publication date and/or time indicating the publication date and/or time of a publication associated with the layout budget or list.

11.   (ORIGINAL)   A content management system according to claim 1, wherein PCOs are added to or removed from layout budgets or lists or wherein information relating to PCOs is changed on layout budgets or lists, thereby facilitating dynamic planning of content intended for use in publications.

12.   (ORIGINAL)   A content management system according to claim 1, wherein metadata are used for approving or suspending PCOs associated with layout budgets or lists, thereby facilitating tentative or preliminary planning of individual PCOs intended for use in publications.

13.   (ORIGINAL)   A content management system according to claim 1, further comprising means for filtering or sorting of PCOs based on their metadata, thereby facilitating presentation of an output according to said filtering or sorting.

14.   (ORIGINAL)   A content management system according to claim 1, wherein metadata are used for ranking or prioritising PCOs by associating one rank or priority out of a plurality of ranks or priorities with the metadata for a given PCO.

15.   (ORIGINAL)   A content management system according to claim 14, further comprising means for arranging the ranks or priorities of PCOs in a hierarchical structure.

16.   (ORIGINAL)   A content management system according to claim 1, further comprising means for associating a size with each PCO, the size indicating physical or visual space or time duration of the PCO when appearing in a publication.

17.   (ORIGINAL)   A content management system according to claim 1, further comprising means for associating a size with each PCO, the size indicating actual measured size or a planned size of the PCO when appearing in a publication.

18.   (ORIGINAL)   A content management system according to claim 1, wherein a layout budget or list has a predefined maximum total size indicating the space or time available within a publication or a part or a section thereof being associated with the layout budget or list.

19.   (ORIGINAL)   A content management system according to claim 1, wherein at least one workstation provides access to the database system and all PCOs managed in the database system, irrespective of the storage location of any particular PCO.

20.   (ORIGINAL)   A content management system according to claim 1, wherein the database system comprises a plurality of databases.

21. (ORIGINAL) A content management system according to claim 20, wherein the plurality of databases is physically or geographically disparate.

22. (ORIGINAL) A content management system according to claim 20, wherein each database of the plurality of databases is adapted to store PCOs and associated metadata for a particular enterprise or a branch of an enterprise.

23. (ORIGINAL) A content management system according to claim 20, wherein each database of the plurality of databases comprises a searchable index of the metadata and/or content associated with the PCOs stored in that database.

24. (ORIGINAL) A content management system according to claim 23, wherein the searchable indices are synchronised into a consolidated index, thereby facilitating a consolidated access to or view of the PCOs stored in the plurality of databases.

25. (ORIGINAL) A content management system according to claim 20, wherein a central searchable index of metadata and/or content associated with the PCOs stored in the plurality of databases is provided, thereby facilitating a consolidated access to or view of the PCOs stored in the plurality of databases.

26. (ORIGINAL) A content management system according to claim 1, wherein a consolidated access to or view of PCOs is provided, irrespective of their storage location or database.

27. (ORIGINAL) A content management system according to claim 1, further comprising means to support users from at least one workstation to perform the management task of tracking the status of one or more PCOs.

28. (ORIGINAL) A content management system according to claim 1, further comprising means to support users to perform, from at least one workstation, the management task of associating metadata with one of a plurality of desk budgets, the desk budgets providing a list of PCOs that are planned or under creation within a given desk or department.

29. (ORIGINAL) A content management system according to claim 1, further comprising means for supporting users from at least one workstation to perform the management task of organising PCOs into groupings.

30. (ORIGINAL) A content management system according to claim 29, wherein the means for organising PCOs into groupings comprises

means for defining projects or projects and sub-projects in the content management system, and

means for including one or more PCOs in one or more projects or sub-projects, thereby facilitating an overview of PCOs involved in larger news events.

31. (ORIGINAL) A content management system according to claim 30, further comprising means for arranging the projects and sub-projects in a hierarchical structure.

32. (ORIGINAL) A content management system according to claim 30 , further comprising means for filtering PCOs by project or sub-project, thereby facilitating a presentation of PCOs related to the project or sub-project.

33. (ORIGINAL) A content management system according to claim 30 , wherein metadata are associated with projects or sub-projects, thereby providing information relating to the project or sub-project.

34. (ORIGINAL) A content management system according to claim 33, wherein at least part of the metadata associated with a given project or sub-project is applied to the PCOs included in that project or sub-project.

35. (ORIGINAL) A content management system according to claim 29 , wherein the means for organising PCOs into groupings comprises means for associating a selected plurality of PCOs, irrespective of other groupings in which they might be included, so as to form an association, thereby facilitating any subject, topical or other desired relationship between PCOs.

36.   (ORIGINAL)   A content management system according to claim 35, further comprising means for filtering PCOs by association, thereby facilitating a presentation of associated PCOs.

37.   (ORIGINAL)   A content management system according to claim 35 , further comprising means for linking between a PCO and any of its associated PCOs, thereby facilitating automatic or simplified maintenance of link relationships between associated PCOs.

38.   (ORIGINAL)   A content management system according claim 35 , further comprising means for assembling associated PCOs into packages intended or suggested for collective publication.

39.   (ORIGINAL)   A content management system according to claim 35 , further comprising means for describing the category or nature of a given PCO's relationship with its associated PCOs.

40.   (ORIGINAL)   A content management system according to claim 1, wherein the database system comprises means for creating one or more assignments, each assignment being an administrative entity for managing one or more PCOs, the PCO(s) being planned for creation or still under creation or already existing PCO(s).

41.   (CURRENTLY AMENDED)   A content management system according to claim 40, further comprising means for associating <u>PCO</u> metadata with assignments.

42.   (CURRENTLY AMENDED)   A content management system according to claim 41, wherein at least part of the <u>PCO</u> metadata associated with an assignment applies to one or more PCOs being managed through that assignment as well as to the assignment itself.

43.   (CURRENTLY AMENDED)   A content management system according to claim 41 , wherein the <u>PCO</u> metadata comprises at least one of the following types of information relating to assignment management:

an address and/or name of a geographical location of a news event,

one or more people expected to attend a news event,

a start time and/or end time and/or duration of a news event,

one or more contacts at a news event,

one or more appointments at a news event,

one or more items of research information or interviews or links to such items, and

a deadline.

44.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the <u>PCO</u> metadata comprises at least one of

a slug or name,

a description,

an origination,

a type,

a status,

a reference to at least one <u>news media product</u>~~publication~~,

keywords,

an abstract or summary,

notes,

a modification log,

access control information,

an originating newsroom,

an originating desk,

an assignment editor,

an author,

a deadline, and

intellectual property rights.

45.   (CURRENTLY AMENDED)   A content management system according to claim 1,
wherein the <u>PCO </u>metadata comprises at least one of

a name,

a ~~publication~~ <u>news media product </u>date and/or time,

a revision specific edition,

a geographical or topical edition,

a logical or physical storage address in a computer system,

a specific physical or visual placement or location within the <u>news media product</u>~~publication~~,

a deadline,

a layout budget or list associated with the <u>news media product</u>~~publication~~,

a size of the publication or within in the <u>news media product</u>~~publication~~, and

a ranking or priority within the <u>news media product</u>~~publication~~.

46.   (CURRENTLY AMENDED)   A content management system according to claim 1, further comprising means for ensuring that <u>PCO</u> metadata <u>contains</u>~~contain~~ only valid combinations of information.

47.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein the <u>PCO</u> metadata comprises at least one of the following types of information relating to access control:

permissions to view the existence of an item in the database system,

permission types and/or levels of access to an item in the database system, and

rules specifying conditions for specific permissions to take effect on an item in the database system.

48.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein at least a portion part of the PCO metadata isare stored as database fields in the database system.

49.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein at least a portion part of the PCO metadata isare stored as tags and/or attributes within the PCO content dataassociated with PCOs.

50.   (ORIGINAL)   A content management system according to claim 1, wherein the database system comprises means for enabling a system administrator or workstation user to define one or more additional metadata fields, thereby facilitating customised information to be stored in the database system.

51.   (ORIGINAL)   A content management system according to claim 1, wherein a set of metadata fields is definable by a system administrator or workstation user.

52.   (ORIGINAL)   A content management system according to claim 50 , wherein substantially all metadata fields are definable by a system administrator or workstation user.

53.   (ORIGINAL)   A content management system according to claim 1, wherein a set of metadata fields is definable by the content type of a given PCO.

54.   (ORIGINAL)   A content management system according to claim 1, wherein at least some PCOs or other database items stored in the database system are associated with specific icons, thereby allowing a workstation user to identify the type of item by a visual appearance of its icon.

55.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein changes to PCO metadata or changes to PCO content data~~associated with PCOs~~ are logged during a news media production workflow.

56.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein automation rules defined by system administrators or by workstation users enable triggering of automatic actions based on changes to PCO metadata ~~values~~ or changes to PCO content data~~associated with PCOs~~.

57.   (CURRENTLY AMENDED)   A content management system according to claim 56, wherein an action selected from the group consisting ~~at least one~~ of

notifying or alerting users,

triggering workflow events,

triggering user specified actions,

triggering automatic archival or purging, and

triggering a routing of PCOs or other database items

[[are]] is triggered when the condition of an automation rule is met.

58.   (CURRENTLY AMENDED)   A content management system according to claim 1, wherein production and/or publication of ~~media output~~the news media product using the PCOs stored in the database system is facilitated by one or more production systems integrated with the database system.

59.   (CURRENTLY AMENDED)   A content management system according to claim 58, wherein at least PCO metadata ~~PCOs or at least some metadata associated with PCOs~~ stored in the database system ~~are~~is accessible from a production system.

60.   (CURRENTLY AMENDED)   A content management system according to claim 58, wherein at least PCO metadata~~PCOs or at least~~corresponding to ~~some~~ status or production data or other metadata from a production system is~~are~~ accessible from the content management system.

61.   (NEW)   The content management system according to claim 1, wherein:

the news media product includes at least one member selected from the group consisting of newspapers, news magazines, video newscasts, audio newscasts, streaming newscasts, websites, mobile devices and wire services.

62. (NEW) The content management system according to claim 1, wherein coordinating the expected usage of the PCO within the news media product further comprises:

adapting the expected usage in response to modifications of the PCO metadata or PCO content to obtain an updated expected usage; and

converting an updated expected usage to determine an actual usage of the PCO content data within the news media product.

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